CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

NABL
TC-9500

Job No.: CACE/BBMP/AEE/YNK/Y.B.R/QC/2021-2022

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Name of Work	:	Name of Work: Emergency work in Kempegowda Ward No.01
Client	:	**: Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**
Contractor	:	**: Sri.Y.B Ramesh**
No.of Sample Tested	:	01
Date of Testing	:	25.09.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	249.50	1.240	2531.17	4.99	0.960	32.65	16.63	17.96	17.24	21.55
2	50.00	250.12	1.325	2697.97	5.00	0.960	31.57	16.08	17.36	16.67	20.84
3	50.00	250.00	1.124	2289.79	5.00	0.960	32.45	16.53	17.85	17.13	21.42

AE-1

A.E.E

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30days from the date of testing.

AE

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Job No.: CACE/BBMP/AEE/YNK/Y.B.R/QC/2021-2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Name of Work	:	Name of Work: Emergency work in Kempegowda Ward No.01
Client	:	**: Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**
Contractor	:	**: Sri.Y.B Ramesh**
No.of Sample Tested	:	01
Date of Testing	:	23.09.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M15

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.377	2370.43	1.62	0.960	24.55	12.50	13.50	12.96	16.20
2	50.00	85.00	0.385	2306.81	1.70	0.960	26.45	13.47	14.55	13.97	17.46
3	50.00	83.00	0.390	2393.08	1.66	0.960	25.60	13.04	14.08	13.52	16.90

AE-1

A.E.E

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